



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

1839-250

Date of Issuance:

5/28/19

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Petrocide Q-D10

Name and Address of Registrant (include ZIP Code):

Lael Jimenez
Stepan Company
22 Frontage Road
Northfield, IL 60093

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Eric Miederhoff, Product Manager 31
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

Date:

5/28/19

2. You are required to comply with the data requirements described in the DCI Order identified below:
 - a. DDAC GDCI-069149-30869, GDCI-069149-1681

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI Order listed above, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 1839-250.”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 09/14/2018

If you have any questions, please contact Emilia Oiguenblik by phone at 703 347 0199, or via email at Oiguenblik.emilia@epa.gov or Eric Miederhoff by phone at 703 347 8028, or via email at Miederhoff.eric@epa.gov

Enclosure

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC
ANIMALS**

DANGER. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing. Do not breathe spray mist. Wear appropriate protective eyewear such as goggles, face shield, or safety glasses. Wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R, or P filter; OR a NIOSH-approved elastometric particulate respirator with any N, R, P filter; OR a NIOSH-approved powered air purifying respirator with HE filters. Wear coveralls over long-sleeved shirt and long pants, socks, chemical-resistant shoes, and chemical-resistant gloves, and chemical-resistant apron when handling. Wash thoroughly with soap and water after handling and before eating, drinking, and chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, oysters and shrimps. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PETROCIDE Q-D10

ACTIVE INGREDIENTS

Didecyl dimethyl ammonium chlorides ...	10.00%
INERT INGREDIENTS	<u>90.00%</u>
TOTAL	100.00%

KEEP OUT OF REACH OF CHILDREN DANGER

SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS
FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

You may contact [insert phone number] for emergency medical treatment information. For general information on product use, call the National Pesticides Information Center at (800) 858-7378. You may also contact (800) 222-1222, the poison control center, for emergency medical treatment information.

EPA REG. NO. 1839-XXX
EPA EST. NO. 1839-IL-01

STEPAN COMPANY
22 West Frontage Road
Northfield, IL 60093 USA

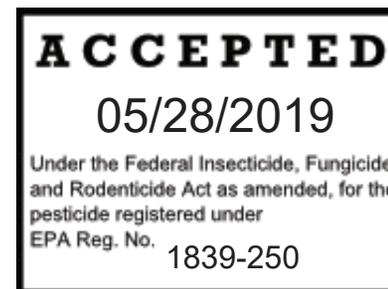
NET CONTENTS:

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **PESTICIDE STORAGE – (PETROCIDE Q-D10) (Product name)** solutions are corrosive to many commonly used materials of construction such as steel, galvanized iron, aluminum, tin and zinc. These solutions can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel or reinforced epoxy-plastic equipment. To avoid freezing, locate the storage tank inside or underground, heating and insulation may be required. If heating is needed, exposure to high temperatures should be avoided. For short storage times, (up to about 1 month), temperatures of up to 100°F can be tolerated, but the preferred maximum storage temperature is about 80°F. A stainless steel centrifugal pump is suggested for transfer service.

PESTICIDE DISPOSAL – Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or your Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse empty container with water. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill. Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning of the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean container before final disposal, empty contents into application equipment and triple rinse. Pour or pump rinsate into application equipment or rinsate collection system. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.



PETROCIDE Q-D10 used throughout this document may be replaced with the marketed product brand name.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

WATER TREATMENT MICROBIOCIDE FOR BUILDING AND INDUSTRIAL COOLING TOWERS SYSTEMS

Cooling Towers, Air Washers, and Recirculating Cooling Water Systems

This product should be added to a water treatment system at a point of uniform mixing such as the sump. Addition may be made intermittently (Slug Dose) or continuously. Badly fouled systems can be shock treated with this product. Under these conditions, blow down should be discontinued for up to 24 hours.

Intermittent (Slug Dose) Method

1. **Initial Dose:** When the system is noticeably fouled, add 25.6 fluid ounces of product per 1000 gallons of water to the system. Repeat until control is achieved.
2. **Subsequent Dose:** When microbial control is evident, add 10-15 fluid ounces of product per 1000 gallons of water to the system weekly, or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun. Should slime develop return to the initial dosage.

Continuous Feed Method

1. **Initial Dose:** When the system is noticeably fouled, add 25.6 fluid ounces of product per 1000 gallons of water in the system.
2. **Subsequent Dose:** Maintain this treatment level by starting a continuous feed of 6.4 fluid ounces of product per 1000 gallons of water in the system per day. Badly fouled systems must be cleaned before treatment is begun.

Do not apply this product more than 4 times per year. Deactivation: This product must be deactivated prior to discharge of the NPDES outfall.

To Deactivate: Use Bentonite Clay at minimum ratio 5 ppm clay to 1 ppm product. Deactivation must occur prior to discharge of the NPDES outfall.

HEAT TRANSFER SYSTEMS (Evaporate Condensers, Hydrostatic Sterilizers and Retorts and Pasteurizers and Warmers).

This product should be used at the same application rates, and in the same manner as described above. It should be added to the system at a point of uniform mixing such as the basin area, sump area, or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

SERVICE WATER AND AUXILIARY SYSTEMS AND WASTEWATER SYSTEMS (Wastewater Sludge and Wastewater Holding Tanks)

1. This product is used at the same application rates, and in the same manner as described above in Cooling Towers, Air Washers, and Recirculating Cooling Water Systems. Add this product to the system at a point that will allow for uniform mixing throughout the system. Add 0.5 – 18.0 gallons of product per 10,000 gallons of water continuously to the system. It should be added to the system at a point of uniform mixing by slug or intermittent feed or spraying onto a waste pile. The frequency of feed or spray and duration of treatment will depend on the severity of the contamination. Additions to water systems must be made during the pumping operation and close to the pump as possible to ensure adequate mixing.

OILFIELD INJECTION AND WASTE WATER

This product should be added to the water handling system at a point of uniform mixing such as the area of addition of make-up water to the holding tank. **Continuous Injection:** Add 38.4 fluid ounces of product per 1000 gallons of water to the system when noticeably fouled. When microbial control is evident, add 19.2 fluid ounces of product per 1000 gallons of water to the system as needed to maintain control.

Batch Treatment: Add 1.8 gallons of product per 1000 gallons of water over a period of 4-6 hours one or more times per week when the system is noticeably fouled. When microbial control is evident, add 0.9 gallon per 1000 gallons of water over a period of 4-6 hours one or more times per week.

OR

This product should be used in oilfield and/or petrochemical water subsurface injection systems of secondary and/or tertiary oil recovery systems to reduce the number of anaerobic bacteria aerobic bacteria, sulfate-reducing bacteria

- 1) This product should be applied at a point in the recovery system of uniform mixing, such as at the screens, storage tanks and other mixing device locations
- 2) This product should be applied when the system is in jeopardy of being affected. Badly fouled systems must be cleaned before treatment is begun.
- 3) Use the injection pump to apply the product
- 4) Product use is dependent on pH, temperature and salt content, adjust according to conditions at the use site as needed to maintain control
- 5) APPLICATIONS:

- a) **Slug Method: Initial Dose:** When the system is noticeably fouled, add 0.6 gallons of product per 1000 gallons of water to the system. Repeat 3-8 hours daily until control is achieved. **Subsequent Dose:** When microbial control is evident, add 0.3 gallons of product per 1000 gallons of water to the system weekly, or as needed to maintain control.
- b) **Intermittent Dosage:** When the system is noticeably fouled, add 0.6 gallons of product per 1000 gallons of water to the system. Repeat 3-8 hours daily until control is achieved. **Maintenance Dose:** When microbial control is evident, 0.3 gallons of product per 1000 gallons of water to the system daily, or as needed to maintain control.
- c) **Continuous Feed Method: Initial Dose:** When the system is noticeably fouled, 19.2 fluid ounces of product per 1000 gallons of water to the system. **Subsequent Dose:** Maintain this treatment by starting a continuous feed of add 19.2 fluid ounces of product per 1000 gallons of water daily to the system, or as needed to maintain control.

OILFIELD WATER FLOOD OR SALT WATER DISPOSAL SYSTEMS AND FRACTURING FLUIDS (AND) (OR) (STIMULATION FLUIDS)

This product controls the forming of slime and sulfate reducing bacteria in oilfield water fluid or salt water disposal systems. This product should be added to fluid at a point of uniform mixing. **Initial Treatment:** When the system is noticeably contaminated, add 0.5 - 2.0 gallons product per 10,000 gallons of flood water. Repeat until control is achieved. **Subsequent Dose:** When microbial control is evident, add 0.5 - 2.0 gallons product per 10,000 gallons flood water for 4 – 8 hours per day, one to four times a week, as needed to maintain control.

Post Hydraulic Fracturing: For treatment of flow back return water, add 0.5 - 2.0 gallons product per 10,000 gallons flood water for 4 – 8 hours per day, one to four times a week, as needed to maintain control.

DRILLING MUDS

This product should be added to a drilling fluid system at a point of uniform mixing such as a circulating tank. **Initial Treatment:** Add 0.65–10 gallons product per 100 barrels of fluids to a freshly prepared drilling fluid depending on the severity of contamination. **Maintenance Dosage:** As the total volume of the system increases due to increased well depths, maintain product level by adding 0.65–10 gallons of product per 100 barrels of additional fluid, or as needed, depending on the severity of contamination.

DRILLING, COMPLETION AND WORKOVER FLUIDS

This product should be added to fluid at a point of uniform mixing such as a circulation holding tank. Add 0.65 – 10 gallons (65 – 1000 ppm active) product to freshly prepared fluid depending on the severity of contamination. Circulate the workover fluid system until the fluid returns clean, shut the system down and idle for several hours. Remove all the workover fluid. The well should be ready for productive use.

Maintenance dosage: Add 65 – 1000 ppm to maintain control.

PACKER FLUIDS

This product should be added to a packer fluid at a point of uniform mixing such as a circulation holding tank. Add 0.65 – 10 gallons (65 – 1000 ppm active) product per 100 barrels of fluid to a freshly prepared fluid depending on the severity of contamination. Seal the treated packer fluid in the wall between the casing and production tube.

OIL AND GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS

This product is added to an oil/gas production or transmission line via direct injection. The application is conducted to ensure maximum distribution of this product throughout the entire internal pipeline surface by adding enough biocide to detect/measure a residual concentration at the back end of the pipeline system. Criteria for success of the treatment will be a reduction in bacterial counts and/or reduced corrosion rates. To facilitate application, it may be desirable to dilute the product with an appropriate solvent immediately before use. The concentration of product in the solvent must not fall below an active concentration range of 500-1,000 ppm active based on volume of water in the pipeline. Injections should be made weekly, or as needed to maintain control.

GAS STORAGE WELLS AND SYSTEMS

Individual injection wells are to be treated with an amount of product to produce a concentration of 0.65 – 10 gallons (65 – 1000 ppm active) product when diluted by the water present in the formulation. Injection takes place before gas is injected (during the summer). Repeat injections annually, or as needed to maintain control.

Individual drips should be treated with an amount of product to produce a concentration of 0.65 – 10 gallons (65-1000 ppm active) of this product when diluted by the water present in the drip. Repeat injections annually, or as needed to maintain control.

PIPELINE PIGGING AND SCRAPING OPERATIONS

Add this product to a slug of water immediately following the scraper. Ideally, this water volume can be kept to a minimum and contained between the scraper and trailing pig. Add 9.6 – 64 oz. per 100 gallons of water (75 - 500 ppm active) product depending on the length of the pipeline and the severity of the biofouling.

HYDROTESTING

Water used to hydrotest pipelines or vessels should contain 0.65 – 10 gallons (65 - 1000 ppm active) product depending on water quality and the length of time the equipment remains idle.

USE AS HYDROGEN SULFIDE SCAVENGER (NON-BIOCIDAL).

This product may also be used as a hydrogen sulfide scavenger in oilfield processing and refining operations. For hydrogen sulfide scavenging application, inject product strength to attain concentrations of up to 500 ppm of active ingredient in target areas on a continuous basis or in slug treatment.